

WHAT IS CLAIMED IS:

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1. A computer-readable medium having a computer-implemented process for providing automatically generated completion information from entries in a dynamic list via a user interface, comprising using a computer to perform the following acts:

dynamically tracking a data store;  
analyzing and extracting contact information from items within data store;

10 adding the contact information to the dynamic list;  
dynamically generating suggested entries from the contact information and related to user entry data; and

providing the suggested entries in the dynamic list via the user interface in real time as the user enters the data.

15 2. The computer-implemented process of claim 1 wherein the data store includes:

at least one of previously sent and received email;  
email addresses and contacts that exist within previous systems;  
email stores located on at least one of local and public servers;  
20 current and previous contact databases; and  
data embedded within other electronic application files.

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3. The computer-implemented process of claim 1 wherein providing automatically generated completion information comprises providing a most probable match from the list to a portion of the user entry data.

30 4. The computer-implemented process of claim 1 wherein dynamically tracking a data store comprises scanning electronic files of at least one of particular types and in specific locations to locate contact information within the files.

5. The computer-implemented process of claim 4 wherein electronic files are scanned as they enter the data store.

5 6. The computer-implemented process of claim 4 wherein particular electronic files within the data store are excluded from scanning.

10 7. The computer-implemented process of claim 4 wherein email received from at least one of specific email addresses and Internet domains are excluded from scanning.

15 8. The computer-implemented process of claim 1 wherein analyzing and extracting contact information from items within data store comprises:  
locating at least one of email addresses and contact information in the items;  
copying the information to a temporary storage;  
formatting the information; and  
providing the information for possible inclusion in the list.

20 9. The computer-implemented process of claim 1 wherein adding the contact information to the dynamic list comprises adding the contact information to the list if the information has a weight of at least one of equal and greater than contact information already in the list.

25 10. The computer-implemented process of claim 9 wherein information is not added to the list if it is already stored in the list.

11. The computer-implemented process of claim 9 wherein information is not added to the list if it is already stored in an address book.

12. The computer-implemented process of claim 9 wherein contact information already in the list is updated by matching contact information extracted from the data store.

5 13. The computer-implemented process of claim 1 wherein new contact information is added to the list as new information enters the data store.

10 14. The computer-implemented process of claim 1 wherein entries are dynamically weighted on the number of times that the entries have been used, and how recently the entries have been used.

15 15. The computer-implemented process of claim 1 wherein the size of the list is constrained.

16 16. The computer-implemented process of claim 1 wherein the size of the list is variable.

20 17. The computer-implemented process of claim 15 wherein entries are weighted and wherein entries having greater weights replace entries having equal or lower weights if the list is full.

25 18. The computer-implemented process of claim 1 wherein new entries are automatically added to the list after those entries are first used.

19. The computer-implemented process of claim 1 wherein entries are automatically removed from the list if they are added to an address book.

30 20. The computer-implemented process of claim 1 wherein a user interface provides the capability to browse the list.

21. The computer-implemented process of claim 1 wherein entries from the resolution are selectively added to an address book via a user interface.

5 22. The computer-implemented process of claim 1 further comprising automatically suggesting to a user that specific entries from the list be added to at least one of an address book and contact database via the user interface.

Sub A2 23. A display device having rendered thereon dynamically changing results of a resolution list, comprising:

a set of entries derived by dynamically tracking a data store and analyzing and extracting contact information from items within the data store;

a set of results dynamically generated from the contact information and related to user entry data; and

15 at least one dynamic output providing the results in real time as the user enters the data.

Sub B1 24. The display device of claim 23, further comprising at least one selectable interface option displayed on the client to enable selection of a result in the resolution list in real time.

20 Sub A3 25. The display device of claim 23 wherein the data store includes: at least one of previously sent and received email; email addresses and contacts that exist within previous systems; email stores located on local servers; 25 current and previous contact databases; and data embedded within other electronic application files.

Sub B1 26. The display device of claim 23 wherein the dynamically generated results comprises providing a most probable match from the entries to a portion 30 of the user entry data.

27. The display device of claim 23 wherein analyzing and extracting contact information from items within data store comprises:

5                    locating at least one of email addresses and contact information in the items;  
                     copying the information to a temporary storage;  
                     formatting the information; and  
                     providing the information for possible inclusion in the list.

10                  28. The display device of claim 23 further comprising an interface option that automatically suggests to a user that specific entries be added to at least one of an address book and contact database.

15                  29. A user interface for providing automatically generated completion information from entries in a dynamic list to a user, comprising:

20                    an extract module that analyzes and extracts contact information from items within a data store to dynamically track entries;  
                     a suggest module capable of generating suggested entries from the contact information that is related to entry data of the user; and  
                     a menu that displays the suggested entries in the dynamic list in real time as the user enters the data.

25                  30. The user interface of claim 29 wherein the data store includes:  
                     at least one of previously sent and received email;  
                     email addresses and contacts that exist within previous systems;  
                     email stores located on at least one of local and public servers;  
                     current and previous contact databases; and  
                     data embedded within other electronic application files.

